CPP 程式設計題

命題者:SCY						
題目名稱(中文/英文): Array to integer						
主要測試觀念:						
Basics	Functions					
■ C++ BASICS 1 FLOW OF CONTROL	☐ SEPARATE COMPILATION AND NAMESPACES ☐ STREAMS AND FILE I/O					
FUNCTION BASICS	RECURSION					
☐ PARAMETERS AND OVERLOADING ☐ ARRAYS ☐	☐ INHERITANCE ☐ POLYMORPHISM AND VIRTUAL FUNCTIONS					
STRUCTURES AND CLASSES	TEMPLATES					
CONSTRUCTORS AND OTHER TOOLS	LINKED DATA STRUCTURES					
☐ OPERATOR OVERLOADING, FRIENDS, AND REFERENCES ☐ STRINGS	□ EXCEPTION HANDLING □ STANDARD TEMPLATE LIBRARY					
POINTERS AND DYNAMIC ARRAYS	PATTERNS AND UML					
題目説明:Write a class that convert						
example, given the string "1234" t	he function should return the					
integer 1234. If you do some research	you will find that there is a					
function named atoi and also the str	ingstream class that can do					
this conversion for you. However, in	this Programming Project, you					
should write your own code to do the						
suitable test program.						
<pre>!!!Using class. class Atoi { private:</pre>						
string beTrans;						
char sign;						
public:						
Atoi();						
Atoi(string s);						
<pre>void SetString(string s);</pre>						
<pre>const string GetString();</pre>						
<pre>int Length();</pre>						
<pre>bool IsDigital();</pre>						
<pre>int StringToInteger();</pre>						
};						
輸入說明: input_main.cpp, input.txt						
輸出說明:output. txt						
IO 範例:						
Sample Input	Sample Output					

		4
		520
		4
		2
		5
		4
		4
		1120
		4
		2
		11
		4
		4
		2320
		4
		2
		23
	input_main.cpp	4
	mput_marn. cpp	4
		-1020
	05	
		[4
		2
	11	-10
 第一組測資與輸 出		
赤一組測貝與賴	1	[4
出	23	3
		20
	-10	
		4
	4.4	1
	-11	0
	8946	4
		4
		-1120
		4
		2
		-11
		4
		6
		894620
		4
		4
		8946
		4
		P
		189123120
		4
		Ľ
		/
		1891231
		4
	input_main.cpp	7
第二組		4650620
	46506	4
		5
		·

-096504	46506	
	4	
56400	8	
	-9650420	
00494	4	
	6	
	-96504	
	4	
	7	
	5640020	
	4	
	5	
	56400	
	4	
	7	
	49420	
	4	
	5	
	494	
	4	
第三組		
附屬資料:		
☑解答程式:ArrayToInteger.cpp((檔名)	
☑測試資料: input. txt, output. t		
山河野東州・Imput. tat, Output. t	AL	

	1 17		11 L T.		13. 11	15 1		
	易	,	僅空	用到	基磁程	寸 設計	·語法師	1. 丝播

□中,需用到多項程式設計語法與結構

■難,需用到多項程式結構或較為複雜之資料型態或結構

解題時間:30分鐘。

其他註記:

main 使用 input_main class 架構僅供參考